

Zoo Interchange Integrated Corridor Management

PERFORMANCE REPORT

June 2017

(April Performance Data)

April Updates

The second National Performance Management Research Data Set (NPMRDS) contract was awarded to the University of Maryland and will consist of speed and travel time data provided by INRIX. The Zoo Interchange ICM performance measures report uses this data to determine travel times and speeds for freeway corridors (I-94 EB and WB and I-41 NB and SB) adjacent to arterial corridors. The first NPMRDS contract ended in February of this year with the delivery of the January 2017 data set. The new contract will pick up with February 2017 data. This report will be re-issued with the April 2017 freeway travel time and speed data when it becomes available.

Impact due to Incidents: On April 21 two incidents, I-41 SB at Bluemound Rd (2:36pm-3:28pm) and I-94 WB at 84th St (3:30 pm-4:36 pm), affected the Greenfield Ave WB travel times during the afternoon PM peak.

Impact Due to Weather and Special Event: On April 26, 84th St SB during the PM peak had an increased travel time due to rain/thunderstorm weather conditions and increased traffic from an afternoon Brewers game that ended around 3:30 pm.

All data is two months behind the month it is reported as project data sets are not available until 3-4 weeks after the month ends.

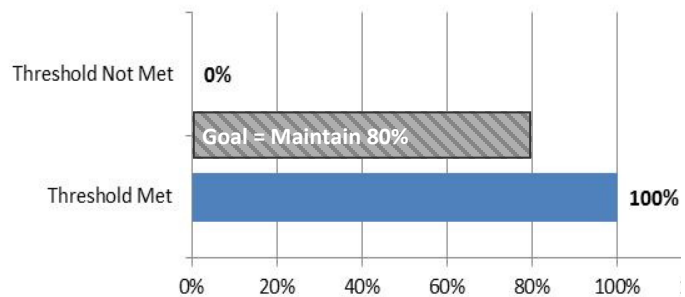
Mobility Summary—April

Corridor Average Travel Time measures the average travel time for a peak period against an established travel time threshold. The travel time threshold for arterial roads is 50% of the posted speed limit. The travel time threshold for freeways is the time it takes to travel the segment at 45 mph.

All arterial segments in April met the travel time thresholds.

Freeway segments for April 2017 will be reported in a future re-issue of this report.

Corridor Average Travel Time- Arterial

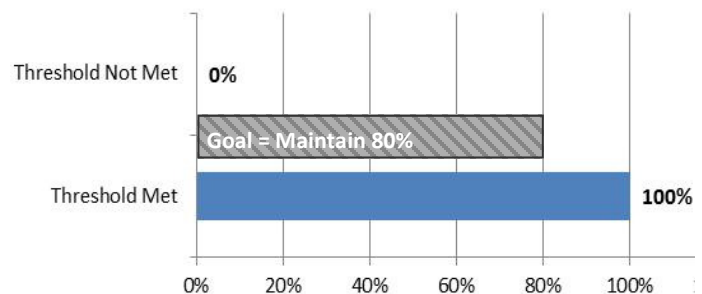


Percent Under Given Speed Threshold measures how many hours during the month peak travel times (AM and PM) speeds are slower than 50% of the posted speed limit for arterial corridors. Because of the varying speed limits on arterial roads, each corridor has a different threshold. Freeways are measured against a speed threshold of 45 mph. The percentage of speeds under the threshold should be less than 50%.

Freeway corridors for April 2017 will be reported in a future re-issue of this report.

The majority of arterial corridors were under 3%, the exceptions being Moorland Rd SB (23%), 84th St SB (8%), and WIS 100 SB (I-94 to Beloit Rd) (12%).

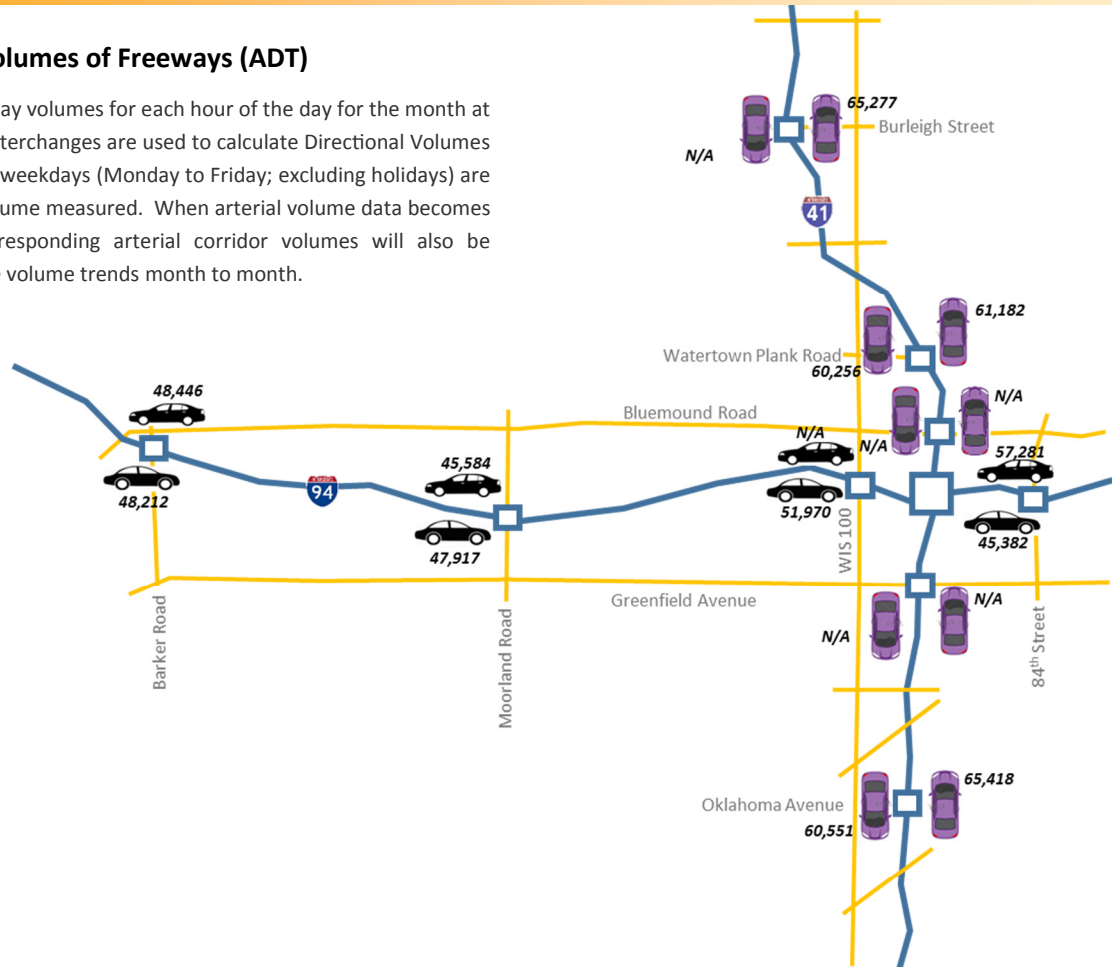
Percent Under Given Speed Threshold - Arterial



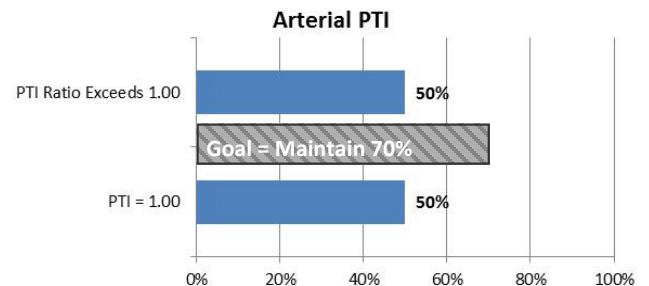
Mobility Summary—April

Directional Volumes of Freeways (ADT)

The average freeway volumes for each hour of the day for the month at specific corridor interchanges are used to calculate Directional Volumes of Freeways. Only weekdays (Monday to Friday; excluding holidays) are included in the volume measured. When arterial volume data becomes available the corresponding arterial corridor volumes will also be shown to compare volume trends month to month.



April 2017 freeway PTI data will be available in a future re-issue of this report.



The Planning Time Index (PTI) metric is the ratio of 95th percentile travel time to: (1) Travel time at 50% of the posted speed limit for arterial corridors, and (2) Travel time at posted speed limit (55 mph and 70 mph) for freeway corridors. This includes both AM and PM peak periods for the month. The minimum ratio is 1.00.

During April six arterial corridors exceeded the minimum PTI ratio of 1.00: 84th St NB & SB, Moorland Rd SB, WIS 100 SB (Capitol Dr to I-94), WIS 100 SB (I-94 to Beloit Rd), and Bluemound Rd EB. 84th St has additional volumes from I-41 SB traffic diverting to Bluemound Rd eastbound (due to the Zoo Interchange N-E ramp closure) that use the 84th St on-ramp to I-94 EB to travel eastbound. See page 12 for all arterial PTI ratios.

April Events

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
3 <ul style="list-style-type: none"> 1:10pm—Brewers Game (Opening Day) at Miller Park Rain (0.73 inches, 5:00am-Midnight) 8:10am-8:35am: I-94 EB at the Zoo Int (right lane closed) 11:40am-12:43pm: I-94 WB at 68th St (lanes affected unknown) 5:30pm-6:45pm: I-94 WB at Hawley Rd (left lane closed) 	4 <ul style="list-style-type: none"> 6:40pm—Brewers Game at Miller Park Rain (0.22 inches, Midnight-Noon) 12:01pm-12:07pm: I-94 WB at Moorland Rd (two left lanes closed) 12:45pm-1:25pm: I-41 SB at the Zoo Int (right lane closed) 	5 <ul style="list-style-type: none"> 7:10pm—Brewers Game at Miller Park Rain (0.44 inches, 10:00am-Midnight) 12:35pm-1:15pm: I-41/I-894 NB at Lincoln Ave (left lane closed) 5:00pm-5:45pm: I-41 NB at North Ave (left lane closed) 	6 <ul style="list-style-type: none"> 12:40pm—Brewers Game at Miller Park Rain (Trace, Midnight-2:00am) Overnight: Zoo Int S-W system ramp (traffic shift) 	7 <ul style="list-style-type: none"> 7:10pm—Brewers Game at Miller Park By 5:30am: National Ave entrance ramp to I-41/894 SB is restricted (lane width is reduced) By 5:30am: Long-term right lane closure on Bluemound entrance ramp to I-41 NB By 11:00pm: Long-term closure of WIS 100 entrance ramp to I-94 EB (30-day closure) 11:43pm-12:39am: I-94 WB at 76th St (lanes affected unknown)
10 <ul style="list-style-type: none"> Rain, T-storm (0.66 inches, 5:00am-6:00am; 3:00pm-Midnight) 5:16pm-5:58pm: I-94 EB at Sunnyslope Rd (lanes affected unknown) 	11 <ul style="list-style-type: none"> Rain (Trace, 6:00am-11:00am) 	12 <ul style="list-style-type: none"> By 9:30am: Curtis NB/SB at I-94 (traffic switch to SB roadway) 12:08pm-12:32pm: I-41 NB at Center St (right lane closed) 	13 <ul style="list-style-type: none"> Rain (0.24 inches, Midnight-9:00am) 1:07pm-1:20pm: I-41/I-894 NB at Zoo Int (right lane closed) 1:07pm-1:55pm: Zoo Int S-W system ramp (closed) 3:58pm-5:24pm: I-41 NB at Watertown Plank Rd (lanes affected unknown) 	14 <ul style="list-style-type: none"> Rain (0.10 inches, 7:00am-10:00am; 10:00pm-Midnight) 12:48pm-1:37pm: I-41/I-894 NB at Greenfield Ave (lanes unaffected unknown) 4:39pm-6:26pm: I-41/I-894 NB at Greenfield Ave (lanes unaffected unknown)
17 <ul style="list-style-type: none"> Overnight: Zoo Int S-E system ramp (traffic shift) 11:28am-12:49pm: I-94 WB at Elm Grove Rd (two left lanes closed) 	18 <ul style="list-style-type: none"> By 5:30am: Long-term left lane closure on WIS 100 entrance ramp to Zoo Int W-S system ramp and on WIS 100 left left-turn bay to entrance ramp (reopens on Sat 5/29) 7:45am-8:11am: I-94 WB at 124th St (right lane closed) 2:15pm-3:45pm: Cleveland Ave EB/WB from WIS 100 and National Ave (full closure); National Ave WB at Cleveland Ave (right lane closure) 	19 <ul style="list-style-type: none"> Rain (0.01 inches, 7:00pm-Midnight) 	20 <ul style="list-style-type: none"> 7:00pm—Milwaukee Bucks playoff at Bradley Center 7:10pm—Brewers Game at Miller Park Rain, T-storm (0.59 inches, Midnight-5:00am) 10:25am-10:30am: I-41 SB at Zoo Int (left lane closure) 2:00pm-2:33pm: Bluemound Rd EB at Sunnyslope Rd (right lane closed) 2:15pm-2:55pm: I-41/I-894 NB at National Ave (left shoulder closed) 	21 <ul style="list-style-type: none"> 7:10pm—Brewers Game at Miller Park Overnight: Zoo Int E-N system ramp (traffic shift) 2:36pm-3:28pm: I-41 SB at Bluemound Rd (lanes affected unknown) 3:30pm-4:36pm: I-94 WB at 84th St (lanes affected unknown)
24 <ul style="list-style-type: none"> 6:40pm—Brewers Game at Miller Park 	25 <ul style="list-style-type: none"> 6:40pm—Brewers Game at Miller Park 8:19am-8:45am: I-94 EB at 90th St (left shoulder closed) 3:19pm-4:11pm: I-41/I-894 SB at Oklahoma (left lane closed) 4:20pm-4:28pm: I-94 EB at 124th St (right lane closed) 4:36pm-5:14pm: I-94 WB at West of WIS 100 (right lane closed) 	26 <ul style="list-style-type: none"> 12:40pm—Brewers Game at Miller Park Rain, T-storm (0.31 inches, 3:00am-Midnight) 1:30pm-2:45pm: I-41/I-894 SB at National Ave (left lane closed) 	27 <ul style="list-style-type: none"> Rain (0.49 inches, Midnight-8:00pm) 10:16am-10:42am: I-94 WB at 84th St (lanes affected unknown) 	28 <ul style="list-style-type: none"> 7:10pm—Brewers Game at Miller Park Rain (Trace, 5:00pm-11:00pm) By 6:00am: Deer Creek Trail closed; Oak Leaf Trail reopened

■ Lane Closure
 ■ Special Events
 ■ Weather
 ■ Recorded Incidents



ZOO INTERCHANGE ICM PERFORMANCE MEASURES

Performance and Trends - April 2017

Network Health Summary—April

	<i>Previous Month</i>	<i>Current Month</i>	<i>Target</i>	<i>Target Met</i>
DEVICE FAILURE IMPACT				
<i>CCTV</i>	1-Medium	1-High 3-Medium	<5	✓
<i>DMS</i>	1-Medium	1-Medium	<5	✓
<i>Ramp Meter</i>	9-Medium	2-High 5-Medium	<5	
<i>Bluetooth</i>	1-Low 1-Medium	None	<5	✓
<i>Signal</i>	31	16	<20	✓
MAJOR COMMUNICATION FAILURE IMPACT	None for March	None for April		
DEVICE COMMUNICATION AVAILABILITY				
<i>CCTV</i>	97%	97%	90%	✓
<i>DMS</i>	96%	97%	90%	✓
<i>Bluetooth</i>	100%	100%	90%	✓
<i>Signal</i>	100%	100%	90%	✓

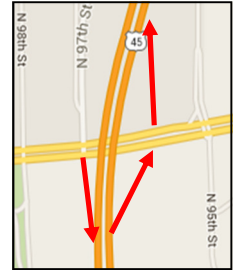
April Construction Events

LONG TERM CLOSURES

Full Closure: Bluemound Rd Entrance Ramp to I-41 SB (Closed until late August 2017)

Full Closure: I-41 NB Exit Ramp to Bluemound Rd (Closed until late April 2018)

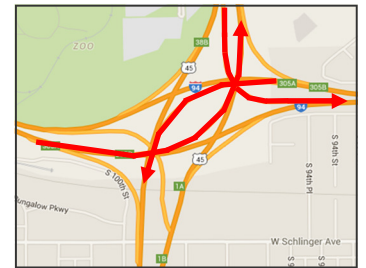
Lane Closure: Bluemound Rd Entrance Ramp to I-41 NB (April 6, 2017 to May 24, 2017)



Full Closure: Zoo Interchange WB to SB System Ramp (Closed until late November 2017)

Full Closure: Zoo Interchange SB to EB System Ramp (Closed until late May 2017)

Full Closure: Zoo Interchange EB to NB System Ramp (Closed until late May 2017)

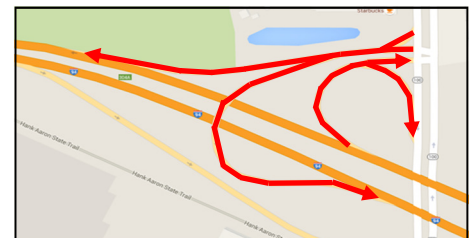


Full Closure: WIS 100 Entrance Ramp to I-94 WB (Closed until Fall 2017)

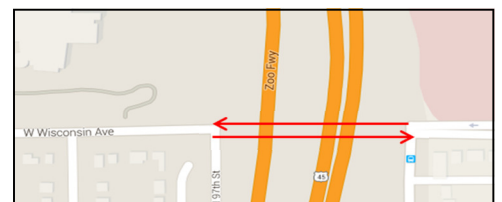
Full Closure: I-94 WB Exit Ramp to WIS 100 NB (Closed until late November 2017)

Full Closure: I-94 WB Exit Ramp to WIS 100 SB (from I-94 WB and I-41 NB) (Closed until late November 2017)

Full Closure: WIS 100 Entrance Ramp to I-94 EB (April 7, 2017 to May 8, 2017)



Full Closure: Wisconsin Ave EB & WB (95th St to 97th St) (Closed until late May 2017)



April Construction Events

LONG TERM CLOSURES

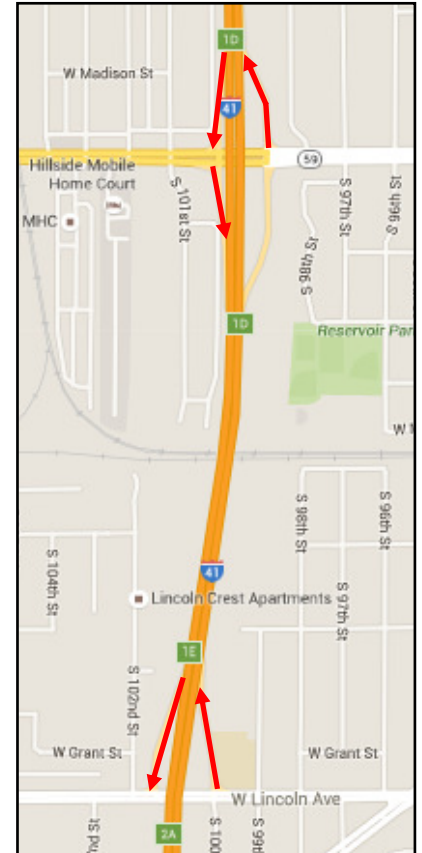
Partial Closure: Greenfield Ave Entrance Ramp to I-41/894 NB (Access to I-94 EB only) (Late 2017)

Full Closure: Lincoln Ave Entrance Ramp to I-41/894 NB (Closed until early Fall 2017)

Full Closure: Greenfield Ave Entrance Ramp to I-41/894 SB (Closed until early Fall 2017)

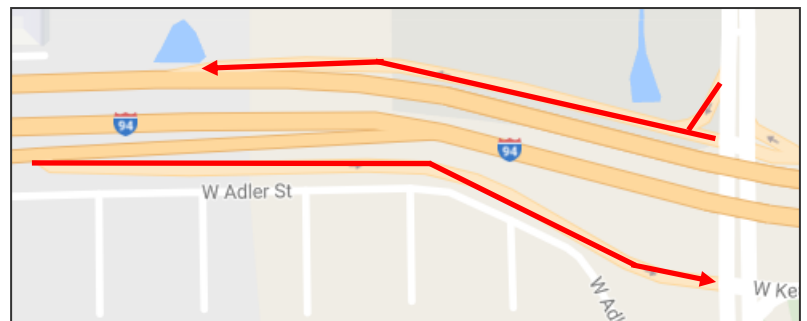
Full Closure: I-41/894 SB Exit Ramp to Greenfield Ave (Closed until Summer 2018)

Full Closure: I-41/894 SB Exit Ramp to Lincoln Ave (Closed until Summer 2018)



Full Closure: 84th Entrance Ramp to I-94 WB (Closed from May 9, 2017 to late 2017)

Full Closure: I-94 EB Exit Ramp to 84th St (from I-94 EB and I-41 SB) (Closed until late November 2017)





ZOO INTERCHANGE ICM PERFORMANCE MEASURES

Performance and Trends - April 2017

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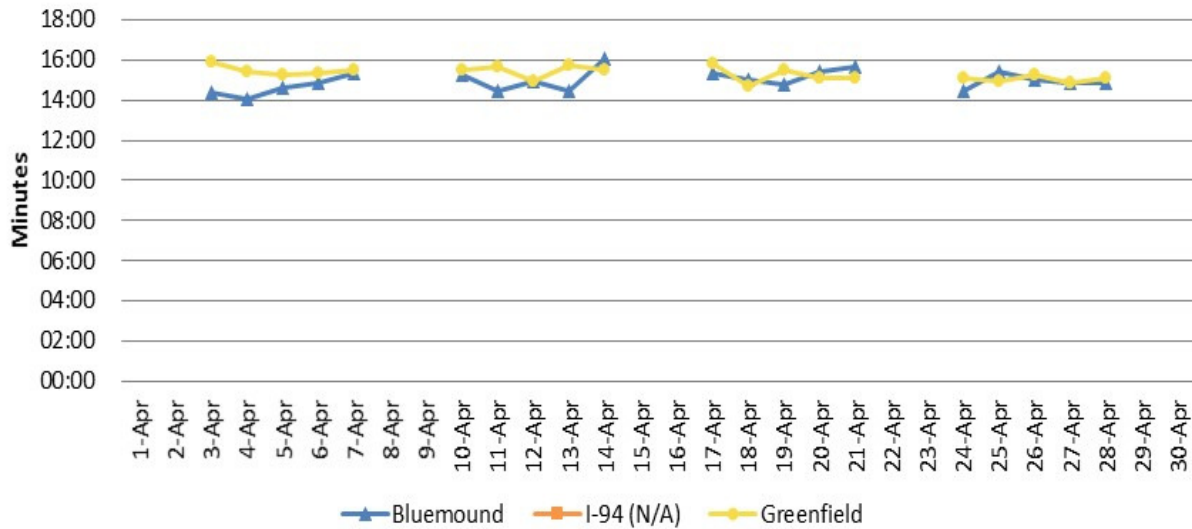
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CORRIDOR AVERAGE TRAVEL TIME

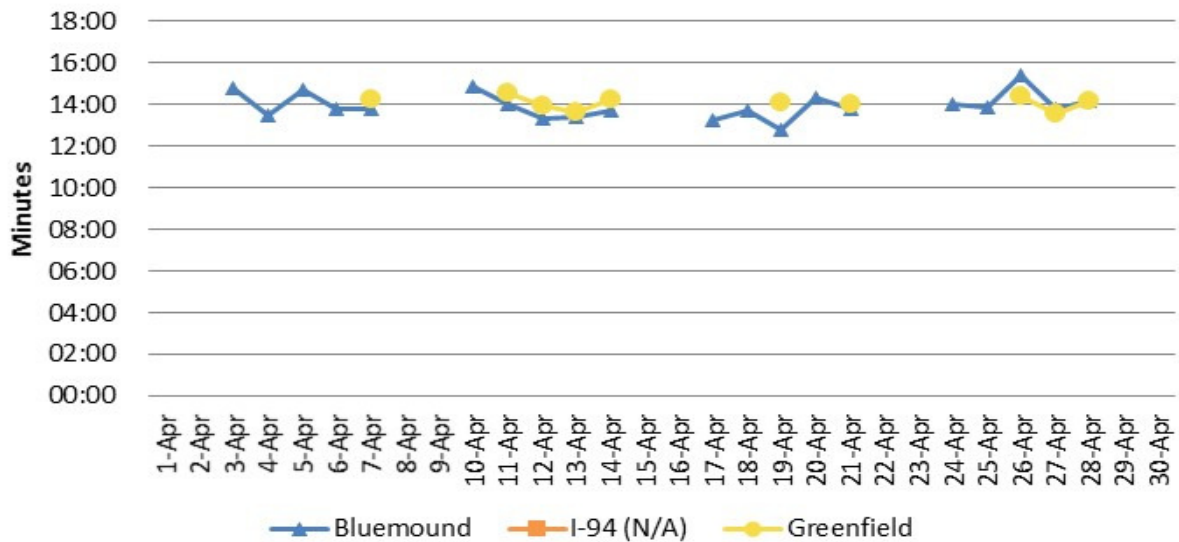
Barker Road to 84th Street (Eastbound)

AM



Barker Road to 84th Street (Eastbound)

PM



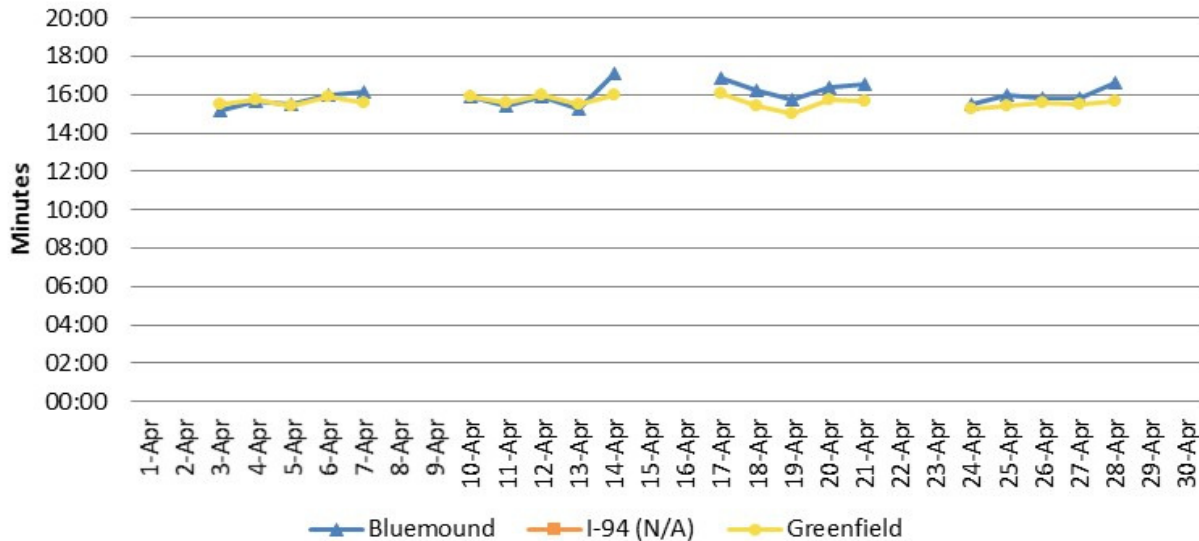
Notes: AM (6am to 9am) and PM (3pm to 6pm)

April 2017 freeway travel time data will be available in a future re-issue of this report.

CORRIDOR AVERAGE TRAVEL TIME

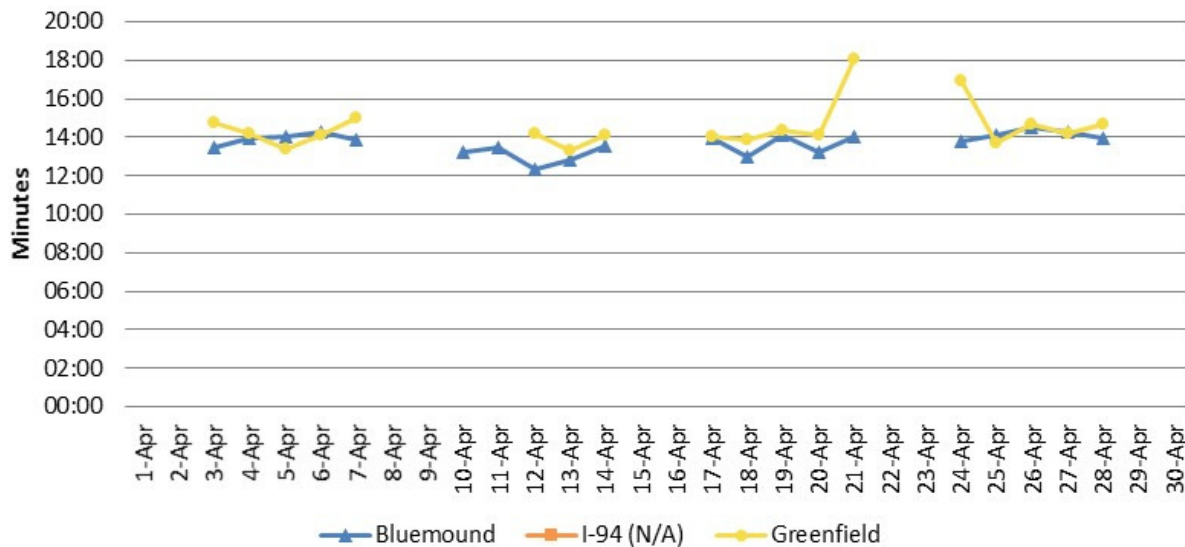
84th Street to Barker Road (Westbound)

AM



84th Street to Barker Road (Westbound)

PM



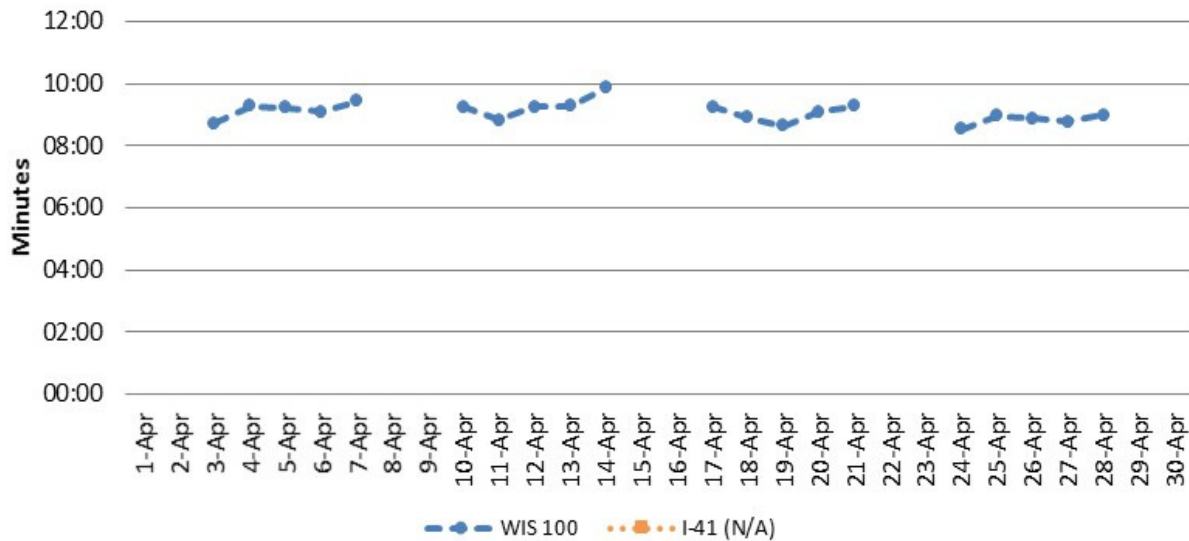
Notes: AM (6am to 9am) and PM (3pm to 6pm)

April 2017 freeway travel time data will be available in a future re-issue of this report.

CORRIDOR AVERAGE TRAVEL TIME

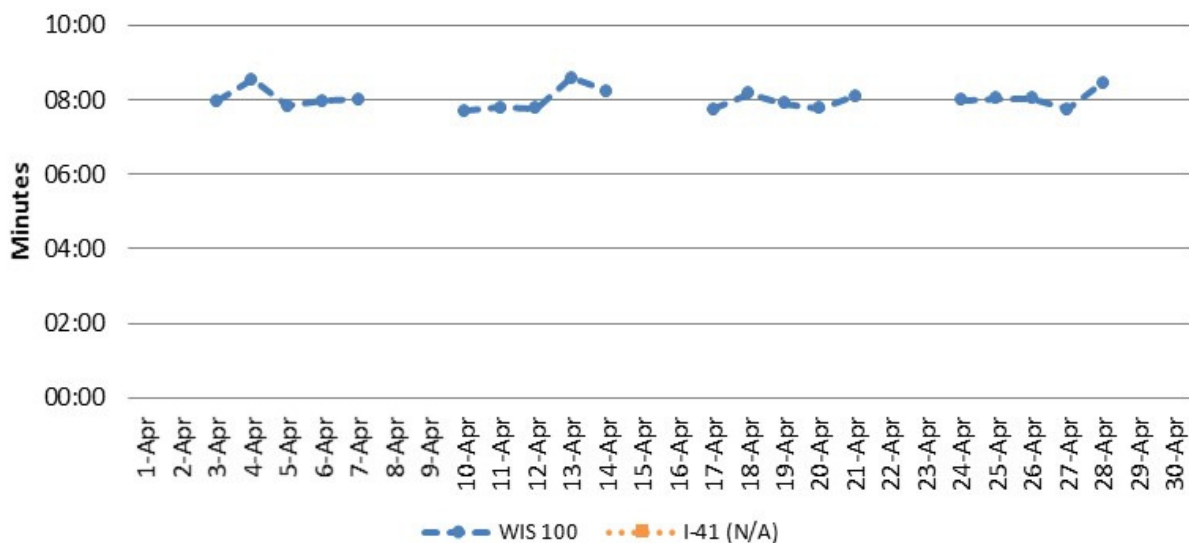
NORTH LEG - I-94 to Capitol Drive (NB)

AM



NORTH LEG - I-94 to Capitol Drive (NB)

PM



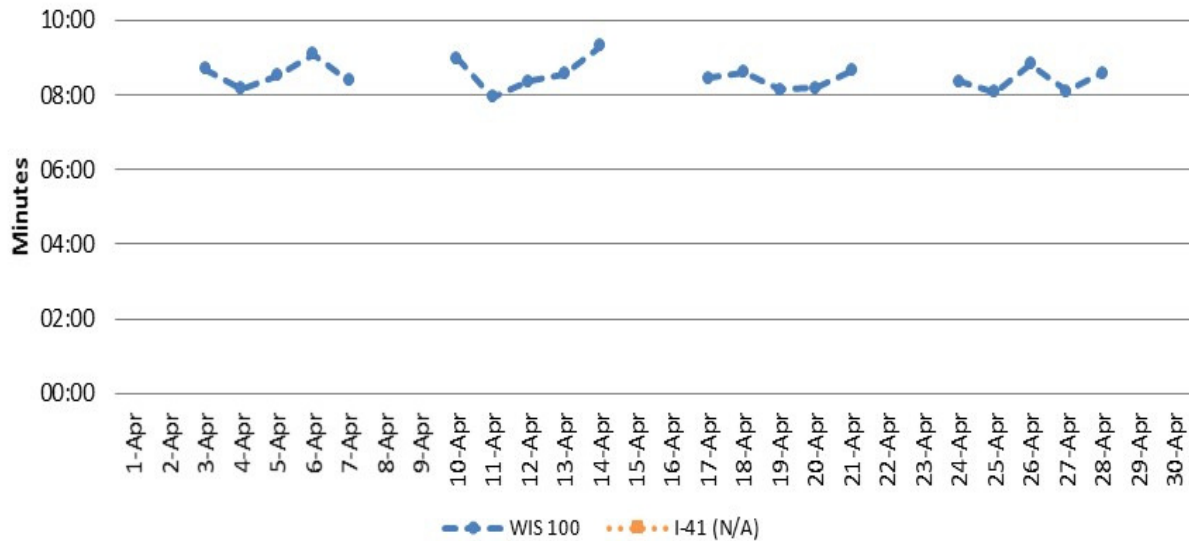
Notes: AM (6am to 9am) and PM (3pm to 6pm)

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CORRIDOR AVERAGE TRAVEL TIME

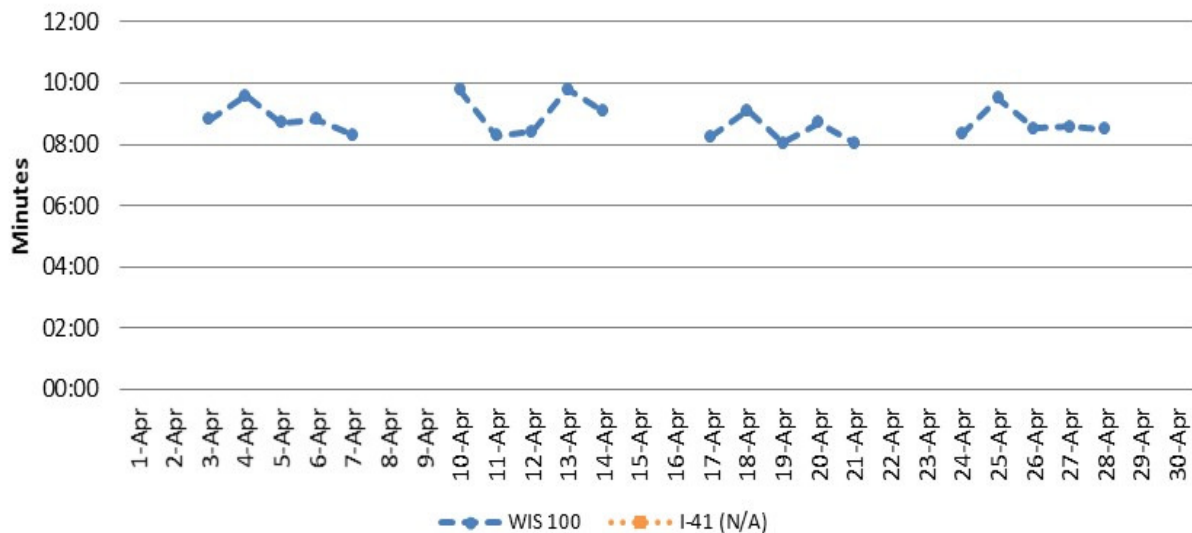
NORTH LEG - Capitol Drive to I-94 (SB)

AM



NORTH LEG - Capitol Drive to I-94 (SB)

PM



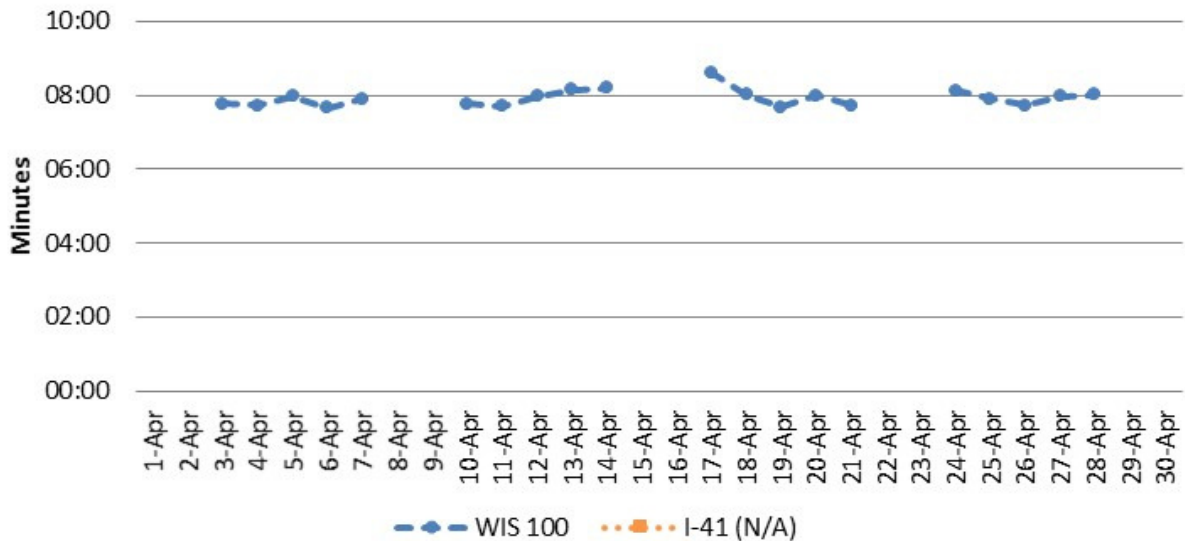
Notes: AM (6am to 9am) and PM (3pm to 6pm)

April 2017 freeway travel time data will be available in a future re-issue of this report.

CORRIDOR AVERAGE TRAVEL TIME

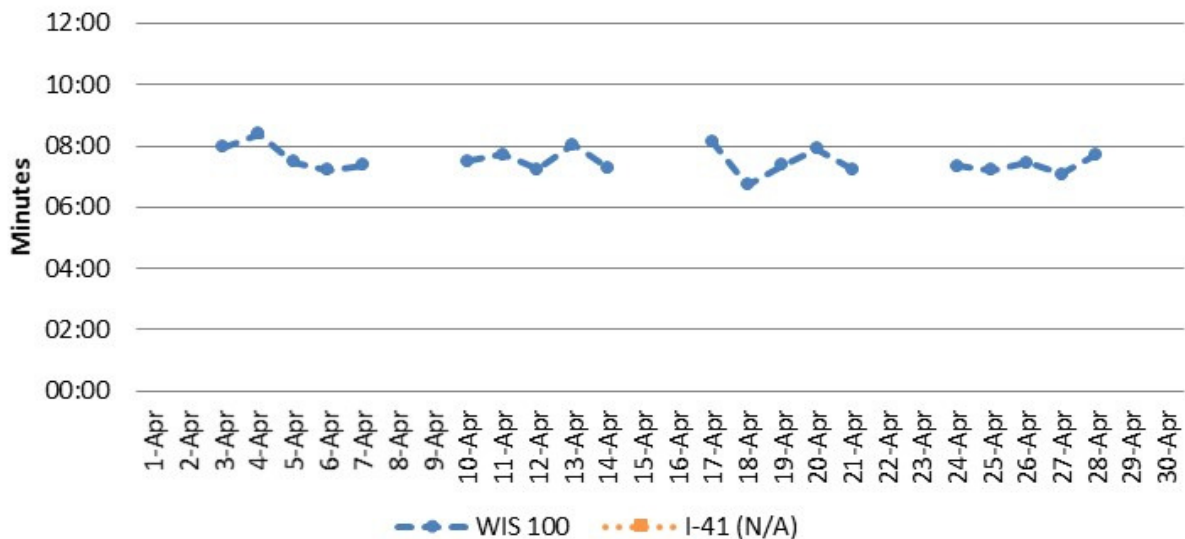
SOUTH LEG - Beloit Road to I-94 (NB)

AM



SOUTH LEG - Beloit Road to I-94 (NB)

PM



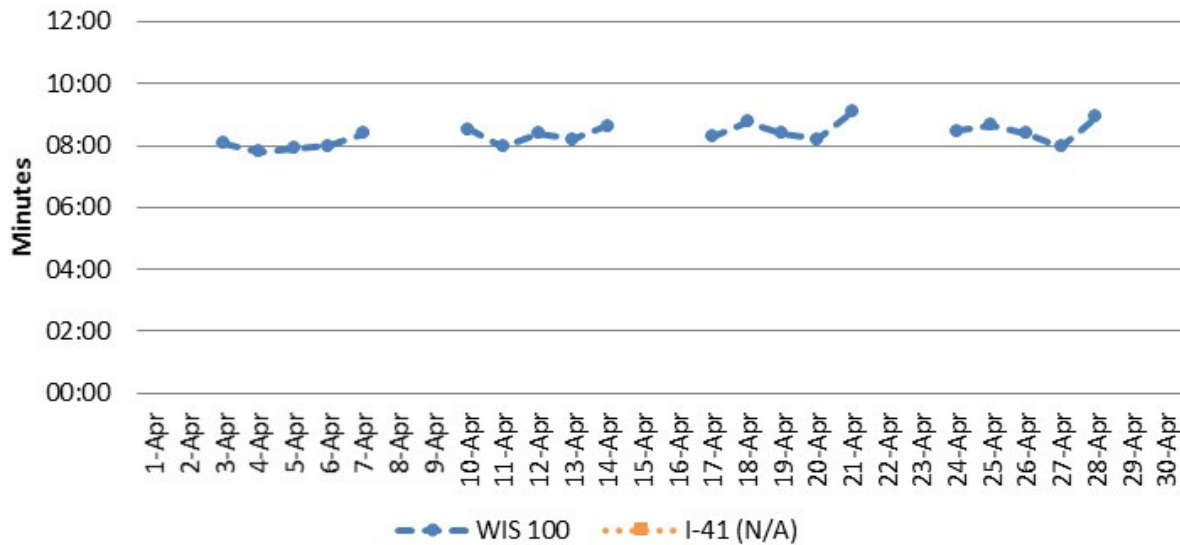
Notes: AM (6am to 9am) and PM (3pm to 6pm)

April 2017 freeway travel time data will be available in a future re-issue of this report.

CORRIDOR AVERAGE TRAVEL TIME

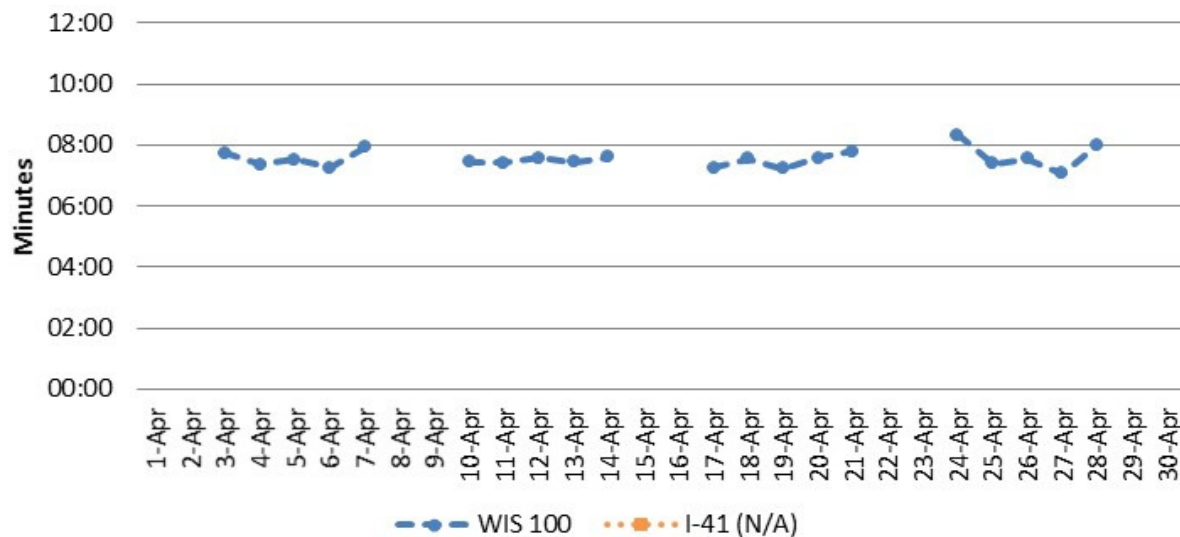
SOUTH LEG - I-94 to Beloit Road (SB)

AM



SOUTH LEG - I-94 to Beloit Road (SB)

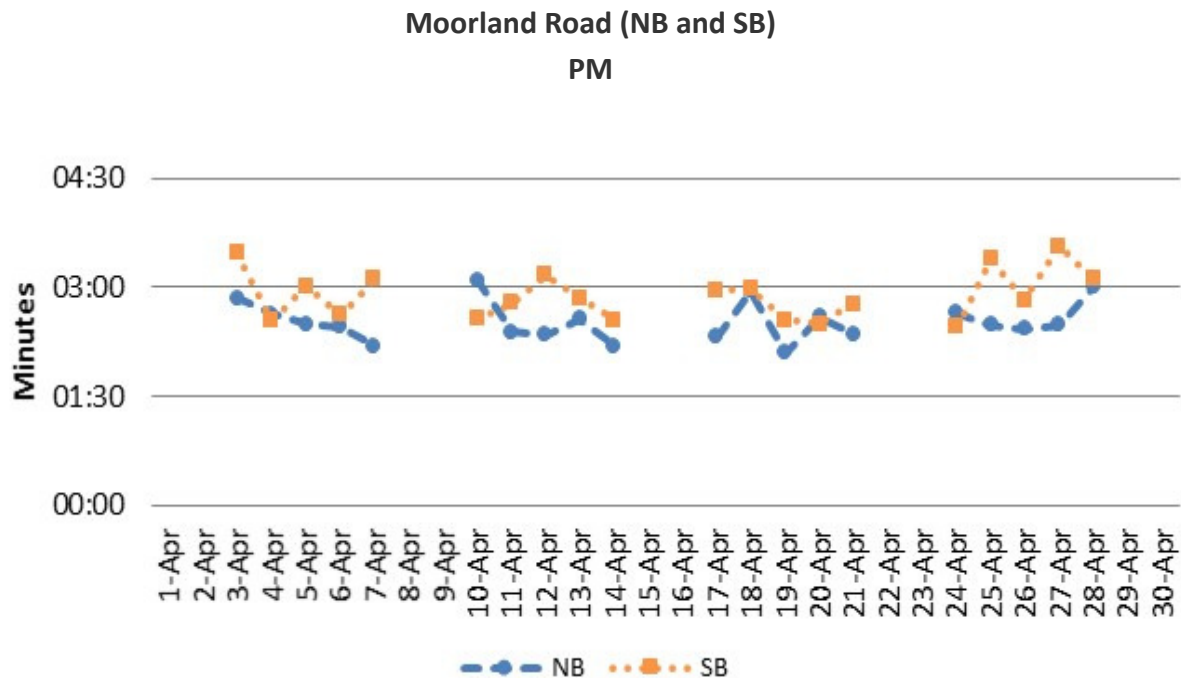
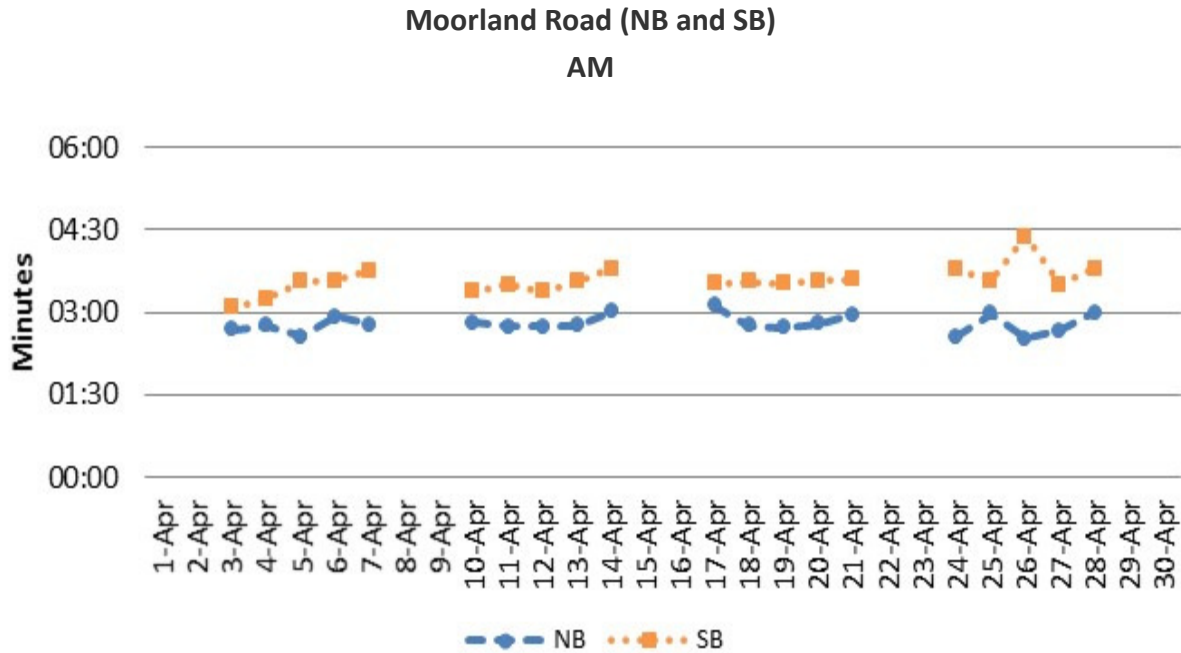
PM



Notes: AM (6am to 9am) and PM (3pm to 6pm)

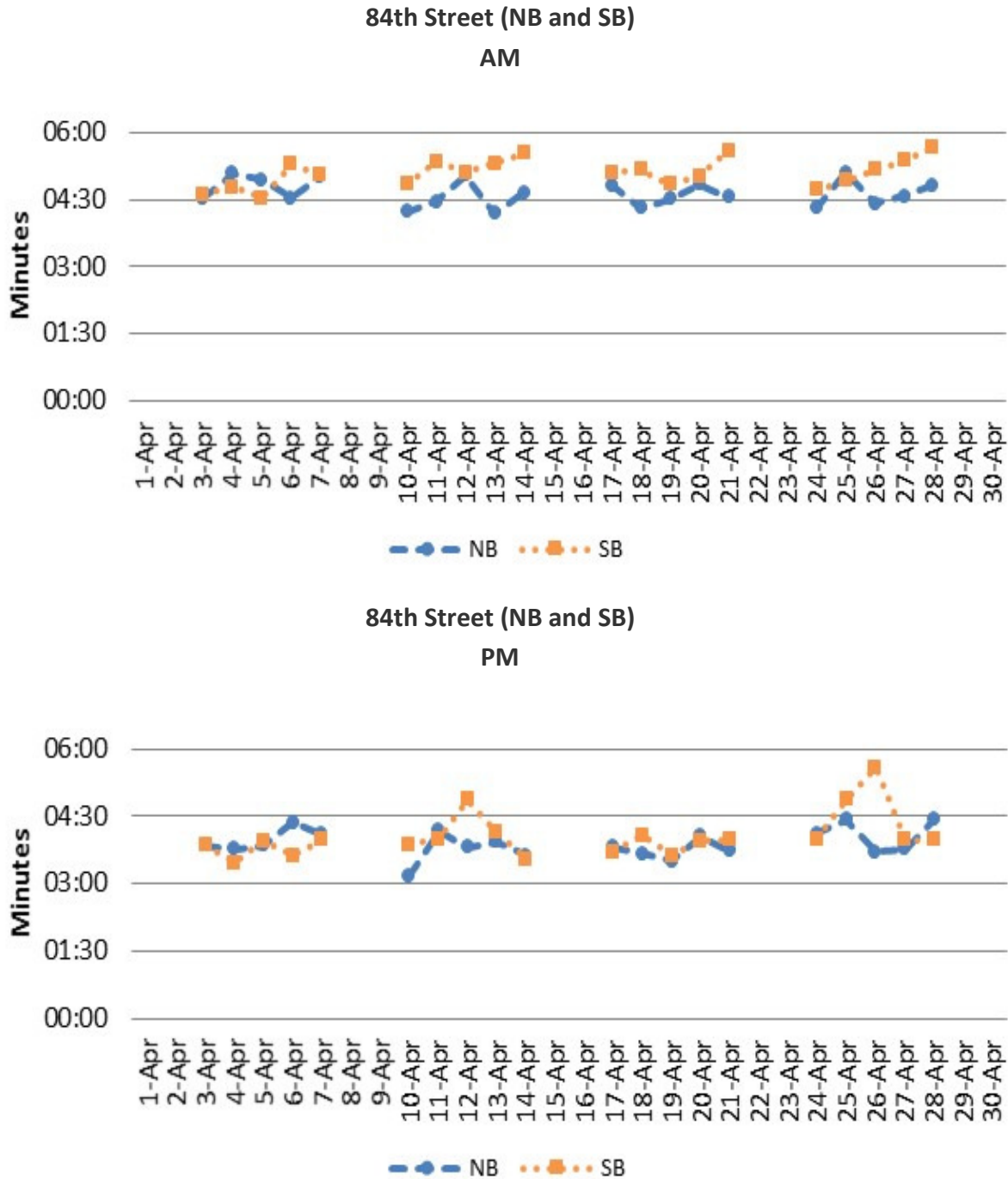
April 2017 freeway travel time data will be available in a future re-issue of this report.

CORRIDOR AVERAGE TRAVEL TIME



Notes: AM (6am to 9am) and PM (3pm to 6pm)

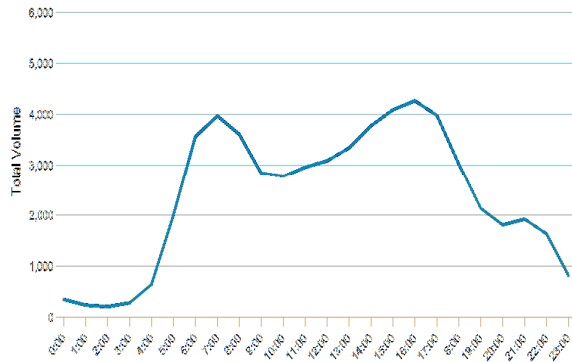
CORRIDOR AVERAGE TRAVEL TIME



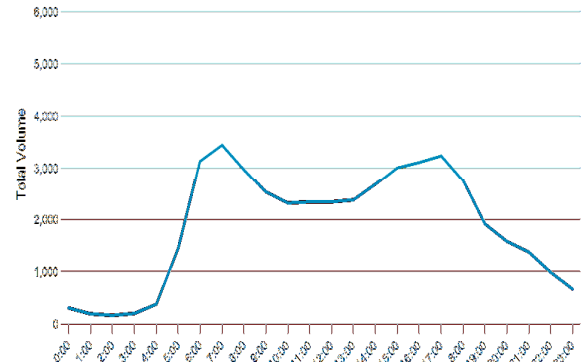
Notes: AM (6am to 9am) and PM (3pm to 6pm)

DIRECTIONAL VOLUMES—FREEWAYS

I-94 at 84th Street WB



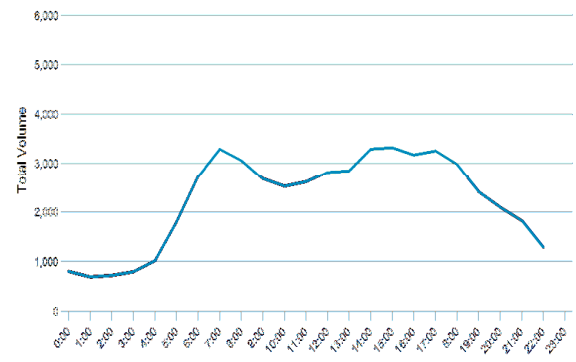
I-94 at 84th Street EB



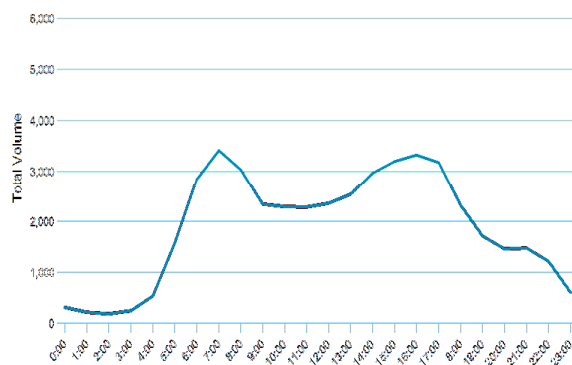
I-94 at WIS 100 WB

No Data Available

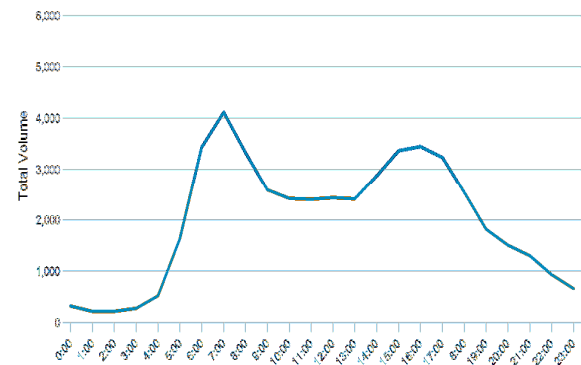
I-94 at WIS 100 EB



I-94 at Moorland Road WB



I-94 at Moorland Road EB



Notes: Volumes are an average of weekday volumes (Monday through Friday). No holidays.

DIRECTIONAL VOLUMES—FREEWAYS

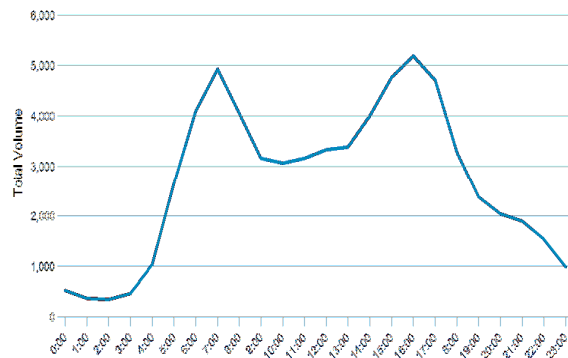
I-41 at Bluemound Road NB

No Data Available

I-41 at Bluemound Road SB

No Data Available

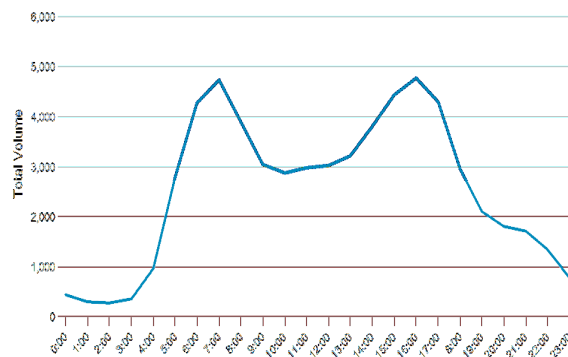
I-41 at Burleigh Street NB



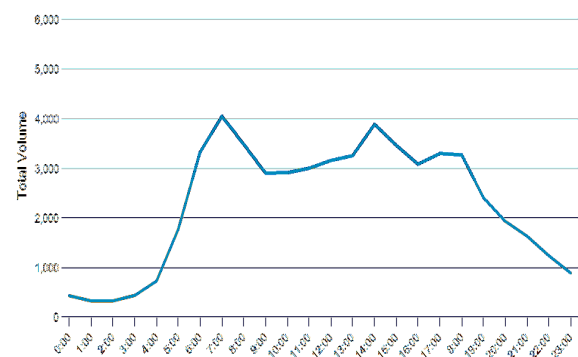
I-41 at Burleigh Street SB

No Data Available

I-41 at Watertown Plank Road NB



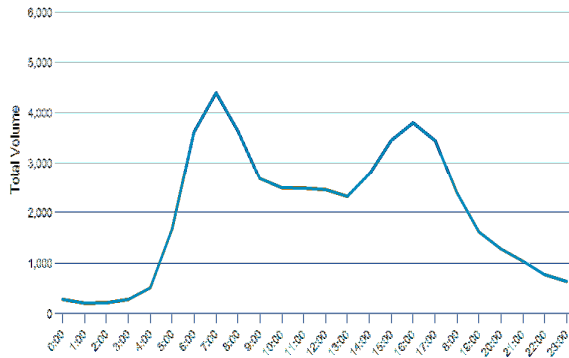
I-41 at Watertown Plank Road SB



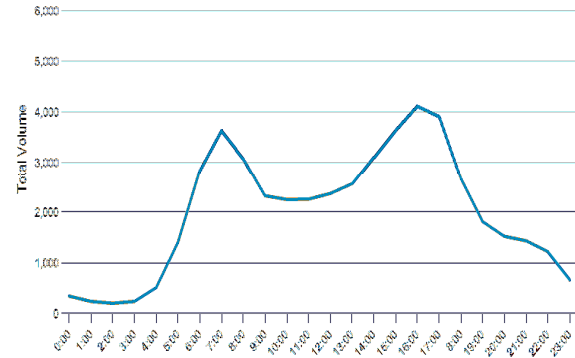
Notes: Volumes are an average of weekday volumes (Monday through Friday). No holidays.

DIRECTIONAL VOLUMES—FREEWAYS

I-94 at Barker Road EB



I-94 at Barker Road WB



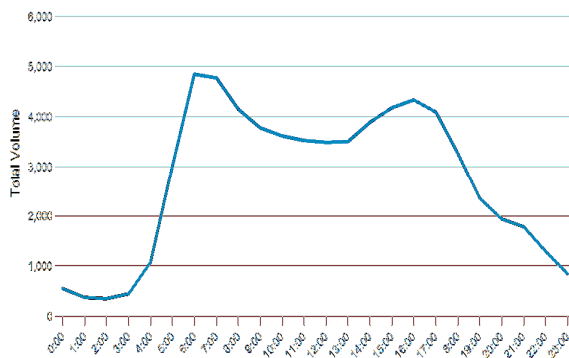
I-41 at Greenfield Avenue NB

No Data Available

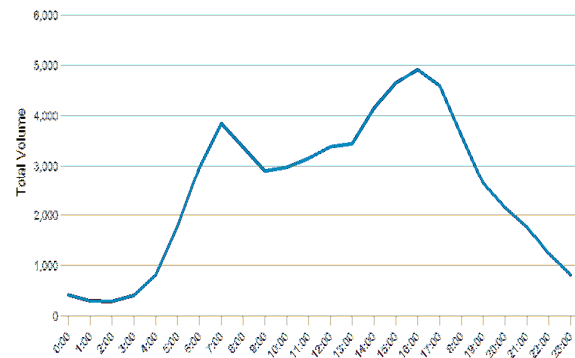
I-41 at Greenfield Avenue SB

No Data Available

I-41 at Cleveland Avenue NB

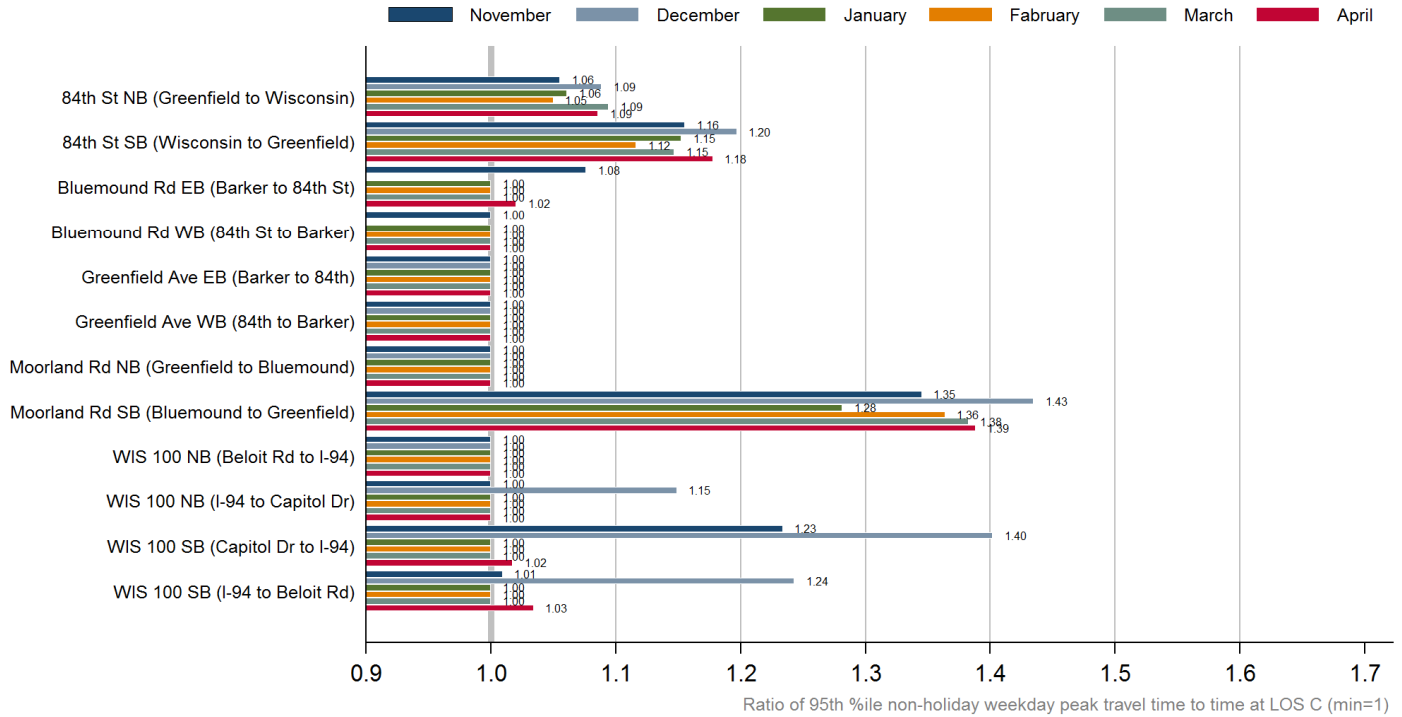


I-41 at Cleveland Avenue SB



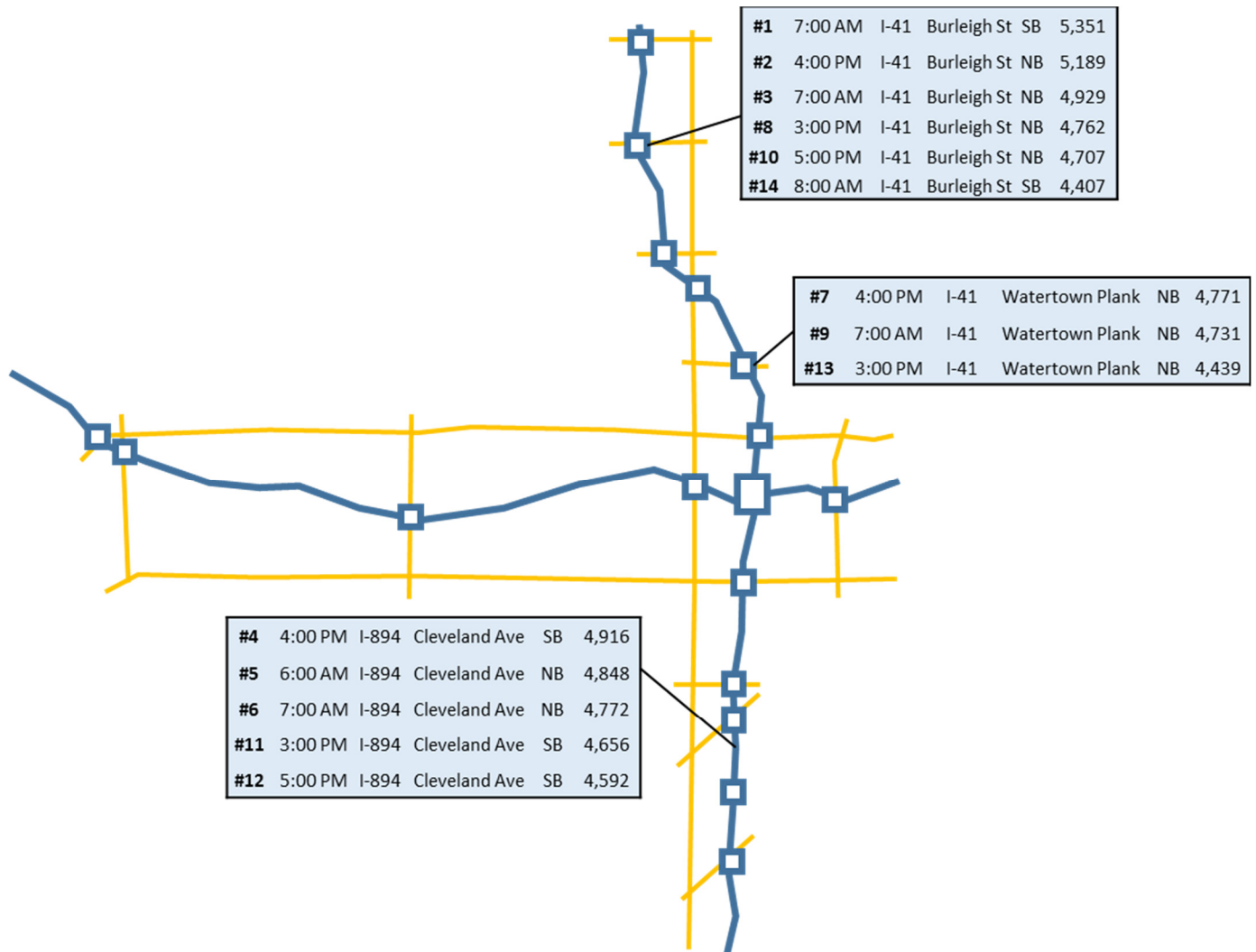
Notes: Volumes are an average of weekday volumes (Monday through Friday). No holidays.

PLANNING TIME INDEX (PTI)



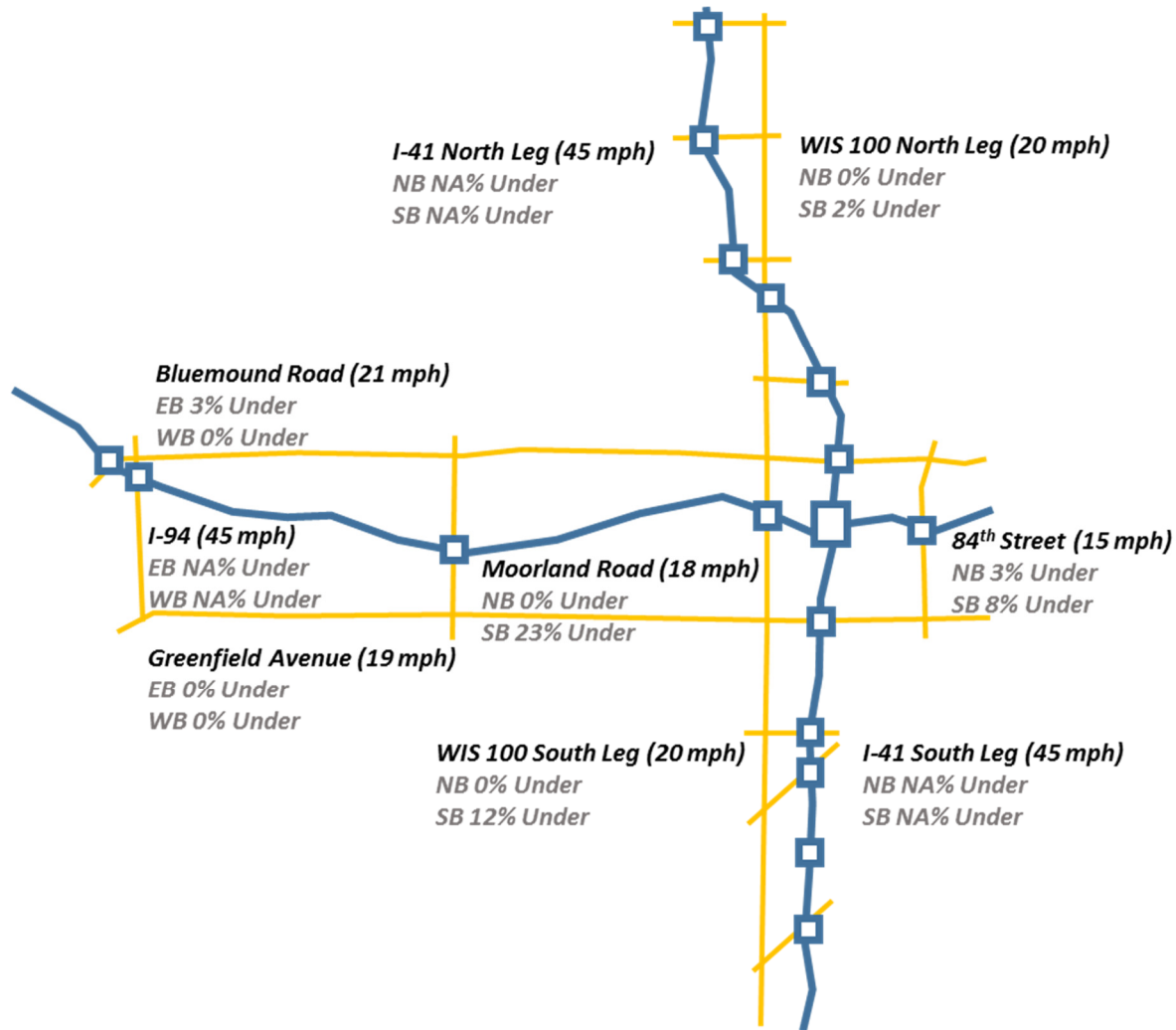
April 2017 freeway PTI data will be available in a future re-issue of this report.

TOP TRAFFIC VOLUME HOURS—FREEWAYS



Notes: Volume hours averaged over the month.
Weekdays, Non-holidays

PERCENT UNDER A GIVEN SPEED THRESHOLD

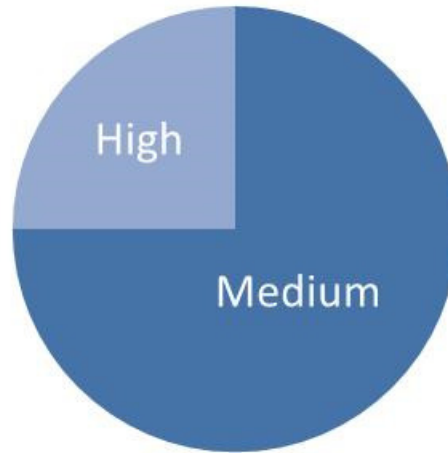


Notes: Percentages are peak hours [AM (6am to 9am) and PM (3pm to 6pm)] under the speed threshold noted next to each corridor. Weekdays, Non-holidays

Arterial street actual speed compared to LOS C speed which is 50% of the posted speed limit. The freeway actual speed is compared to 45 mph.

April 2017 freeway speed data will be available in a future re-issue of this report.

DEVICE FAILURE IMPACT



DEVICE	LOCATION	DAYS OUT	AADT	TOTAL VEHICLES	IMPACT
CCTV-40-0031	I-41/894 @ Cold Spring Rd	5	120,000	600,000	High
CCTV-40-0036	I-41 @ Bluemound Rd	2	156,000	312,000	Medium
CCTV-40-0038	I-41 @ Mayfair Rd	1	156,000	156,000	Medium
CCTV-40-0041	I-41 @ Burleigh St	3	156,000	468,000	Medium
DMS-40-0131	Watertown Plank Rd WB @ E of I-41	5	36,900	184,500	Medium
RM-40-0021	I-94 EB @ WIS 100	3	134,000	402,000	Medium
RM-40-0102	I-41 SB @ Capitol Dr	1	122,000	122,000	Medium
RM-40-0103	I-41 SB @ Burleigh St	2	156,000	312,000	Medium
RM-40-0105	I-41 NB @ Watertown Plank Rd WB	5	156,000	780,000	High
RM-67-0062	I-94 WB @ Moorland Rd	2	125,000	250,000	Medium
RM-67-0063	I-94 EB @ Barker Rd	2	125,000	250,000	Medium
RM-67-0064	I-94 EB @ US 18	13	125,000	1,625,000	High

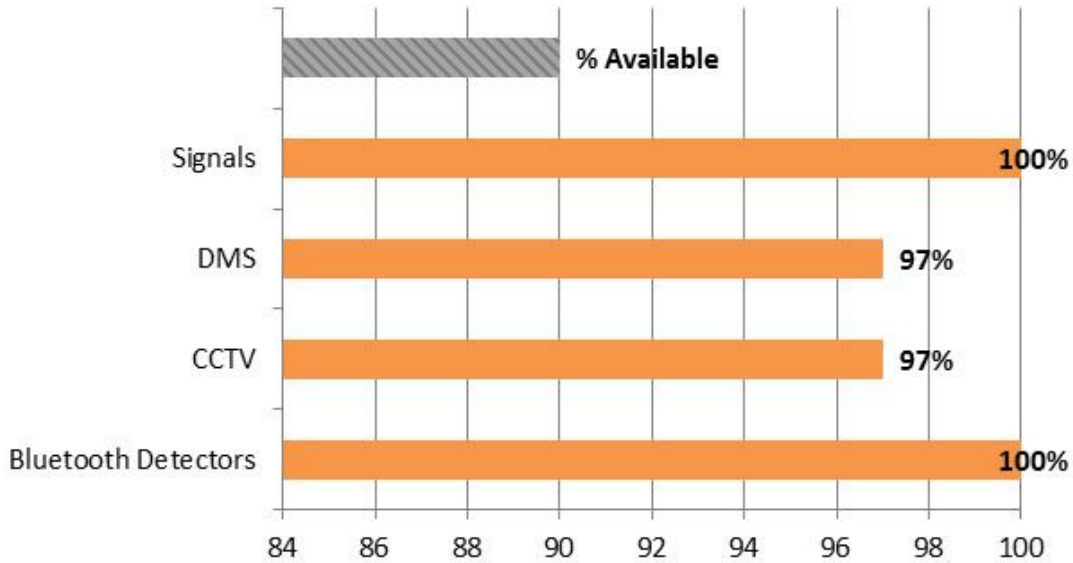
LOW <100,000
 MEDIUM 100,000 TO 500,000
 HIGH >500,000

Notes: Device Failure Impact tracks the status/health of an actual field device. This measure monitors the infrastructural investment and may assist with prioritizing response. The ramp meter at I-94 EB & US 18 had a longer response time because there was a knockdown. Signal device maintenance tickets are located on page 16.

MAJOR COMMUNICATION FAILURE IMPACT

None for the month of April.

DEVICE COMMUNICATION AVAILABILITY



Measure Summary

CCTV Outages

WIS 100 @ Beloit Rd

Signals with Communication Failures

None

Bluetooth Outages

None

Signal Work Orders for April 2017

Work Order #	Signal #	Intersection Location	Start Date/Time
347311	S40-1072	WIS 100/National Ave	4/17/2017 16:08
347431	S40-1109	WIS 100/Center St	4/24/2017 16:31
347383	S67-0112	Greenfield Ave/Moorland Rd	4/21/2017 14:56
347434	S67-0112	Greenfield Ave/Moorland Rd	4/24/2017 16:46
347069	S67-0133	Bluemound Rd/Barker Rd	4/6/2017 12:54
347327	S67-0313	Bluemound Rd/Executive Dr	4/18/2017 7:50
347084	S67-0441	Bluemound Rd/Corp/Woelfel Rd	4/7/2017 8:11
347374	S67-0441	Bluemound Rd/Corp/Woelfel Rd	4/20/2017 14:50
347432	S67-0441	Bluemound Rd/Corp/Woelfel Rd	4/24/2017 16:36
347308	S67-0643	Moorland Rd/I-94 WB Ramp	4/17/2017 15:40
347276	S67-0828	Greenfield Ave/Elm Grove Rd	4/14/2017 16:05
347302	S67-0828	Greenfield Ave/Elm Grove Rd	4/17/2017 14:46
347046	S67-1270	Bluemound Rd/Jennifer Dr	4/5/2017 9:38
347149	S67-1270	Bluemound Rd/Jennifer Dr	4/13/2017 9:26
347293	S67-1270	Bluemound Rd/Jennifer Dr	4/17/2017 8:29
347317	S67-1270	Bluemound Rd/Jennifer Dr	4/17/2017 16:46

Notes: Device Communication Availability tracks the status/health of communication infrastructure that services field devices. Unmanaged signals are offline due to construction or maintenance activities.

Appendix

Mobility

Performance Measure	Previous Month	Current Month	Target	Target Met	Last 3 Months	Trend*
CORRIDOR AVERAGE TRAVEL TIME (MIN:SEC)						
Bluemound Road—84th Street to Barker Road (EB) AM	14:39	14:59	22:00	✓	14:49	
Bluemound Road—84th Street to Barker Road (EB) PM	14:15	13:57	22:00	✓	14:03	
Bluemound Road—84th Street to Barker Road (WB) AM	15:34	15:59	22:00	✓	15:44	
Bluemound Road—84th Street to Barker Road (WB) PM	13:50	13:41	22:00	✓	13:45	
I-94—84th Street to Barker Road (EB) AM	n/a	n/a	10:08	n/a	n/a	
I-94—84th Street to Barker Road (EB) PM	n/a	n/a	10:08	n/a	n/a	
I-94—84th Street to Barker Road (WB) AM	n/a	n/a	10:08	n/a	n/a	
I-94—84th Street to Barker Road (WB) PM	n/a	n/a	10:08	n/a	n/a	
Greenfield Avenue—84th Street to Barker Road (EB) AM	15:07	15:19	23:41	✓	15:10	
Greenfield Avenue—84th Street to Barker Road (EB) PM	15:08	14:05	23:41	✓	14:39	↑
Greenfield Avenue—84th Street to Barker Road (WB) AM	15:31	15:38	23:41	✓	15:35	
Greenfield Avenue—84th Street to Barker Road (WB) PM	14:55	14:32	23:41	✓	14:45	
WIS 100 NORTH LEG—Capitol Drive to I-94 (NB) AM	08:54	09:04	12:12	✓	08:55	
WIS 100 NORTH LEG—Capitol Drive to I-94 (NB) PM	07:59	08:02	12:12	✓	08:00	
WIS 100 NORTH LEG—Capitol Drive to I-94 (SB) AM	08:17	08:30	12:12	✓	08:20	
WIS 100 NORTH LEG—Capitol Drive to I-94 (SB) PM	08:31	08:45	12:12	✓	08:38	
I-41—Capitol Drive to I-94 (NB) AM	n/a	n/a	06:24	n/a	n/a	
I-41—Capitol Drive to I-94 (NB) PM	n/a	n/a	06:24	n/a	n/a	
I-41—Capitol Drive to I-94 (SB) AM	n/a	n/a	06:24	n/a	n/a	
I-41—Capitol Drive to I-94 (SB) PM	n/a	n/a	06:24	n/a	n/a	
WIS 100 SOUTH LEG—I-94 to Beloit Road (NB) AM	07:47	07:56	11:36	✓	07:49	
WIS 100 SOUTH LEG—I-94 to Beloit Road (NB) PM	07:35	07:31	11:36	✓	07:27	
WIS 100 SOUTH LEG—I-94 to Beloit Road (SB) AM	08:06	08:21	11:36	✓	08:11	
WIS 100 SOUTH LEG—I-94 to Beloit Road (SB) PM	07:34	07:33	11:36	✓	07:30	
I-41—I-94 to Beloit Road (NB) AM	n/a	n/a	04:24	n/a	n/a	
I-41—I-94 to Beloit Road (NB) PM	n/a	n/a	04:24	n/a	n/a	
I-41—I-94 to Beloit Road (SB) AM	n/a	n/a	04:24	n/a	n/a	
I-41—I-94 to Beloit Road (SB) PM	n/a	n/a	04:24	n/a	n/a	
Moorland Road (NB) AM	02:45	02:48	04:36	✓	02:45	
Moorland Road (NB) PM	02:31	02:32	04:36	✓	02:35	
Moorland Road (SB) AM	03:25	03:35	04:36	✓	03:28	
Moorland Road (SB) PM	03:05	02:53	04:36	✓	02:57	
84th Street (NB) AM	04:39	04:39	06:12	✓	04:35	
84th Street (NB) PM	04:00	03:53	06:12	✓	03:58	
84th Street (SB) AM	04:57	05:06	06:12	✓	04:56	
84th Street (SB) PM	03:52	04:03	06:12	✓	03:57	

*Trend = difference of 30 seconds or more from previous to current month

April 2017 freeway travel time data will be available in a future re-issue of this report.

Mobility

Performance Measure	Previous Month	Current Month	Target	Target Met	Last 3 Months	Trend*
CORRIDOR AVERAGE SPEED (MPH)						
Bluemound Road—84th Street to Barker Road (EB) AM	31	31	21	✓	31	
Bluemound Road—84th Street to Barker Road (EB) PM	32	33	21	✓	33	
Bluemound Road—84th Street to Barker Road (WB) AM	29	29	21	✓	29	
Bluemound Road—84th Street to Barker Road (WB) PM	33	34	21	✓	33	
I-94—84th Street to Barker Road (EB) AM	n/a	n/a	45	n/a	n/a	
I-94—84th Street to Barker Road (EB) PM	n/a	n/a	45	n/a	n/a	
I-94—84th Street to Barker Road (WB) AM	n/a	n/a	45	n/a	n/a	
I-94—84th Street to Barker Road (WB) PM	n/a	n/a	45	n/a	n/a	
Greenfield Avenue—84th Street to Barker Road (EB) AM	30	29	19	✓	30	
Greenfield Avenue—84th Street to Barker Road (EB) PM	30	32	19	✓	31	
Greenfield Avenue—84th Street to Barker Road (WB) AM	29	29	19	✓	29	
Greenfield Avenue—84th Street to Barker Road (WB) PM	30	31	19	✓	31	
WIS 100 NORTH LEG—Capitol Drive to I-94 (NB) AM	28	27	20	✓	28	
WIS 100 NORTH LEG—Capitol Drive to I-94 (NB) PM	31	31	20	✓	31	
WIS 100 NORTH LEG—Capitol Drive to I-94 (SB) AM	30	29	20	✓	30	
WIS 100 NORTH LEG—Capitol Drive to I-94 (SB) PM	29	29	20	✓	29	
I-41—Capitol Drive to I-94 (NB) AM	n/a	n/a	45	n/a	n/a	
I-41—Capitol Drive to I-94 (NB) PM	n/a	n/a	45	n/a	n/a	
I-41—Capitol Drive to I-94 (SB) AM	n/a	n/a	45	n/a	n/a	
I-41—Capitol Drive to I-94 (SB) PM	n/a	n/a	45	n/a	n/a	
WIS 100 SOUTH LEG—I-94 to Beloit Road (NB) AM	29	28	20	✓	29	
WIS 100 SOUTH LEG—I-94 to Beloit Road (NB) PM	30	30	20	✓	30	
WIS 100 SOUTH LEG—I-94 to Beloit Road (SB) AM	28	27	20	✓	28	
WIS 100 SOUTH LEG—I-94 to Beloit Road (SB) PM	30	30	20	✓	30	
I-41—I-94 to Beloit Road (NB) AM	n/a	n/a	45	n/a	n/a	
I-41—I-94 to Beloit Road (NB) PM	n/a	n/a	45	n/a	n/a	
I-41—I-94 to Beloit Road (SB) AM	n/a	n/a	45	n/a	n/a	
I-41—I-94 to Beloit Road (SB) PM	n/a	n/a	45	n/a	n/a	
Moorland Road (NB) AM	28	28	18	✓	28	
Moorland Road (NB) PM	31	31	18	✓	30	
Moorland Road (SB) AM	23	22	18	✓	23	
Moorland Road (SB) PM	26	27	18	✓	27	
84th Street (NB) AM	20	20	15	✓	20	
84th Street (NB) PM	23	24	15	✓	23	
84th Street (SB) AM	19	18	15	✓	19	
84th Street (SB) PM	24	23	15	✓	24	

*Trend = difference of 4 mph or more from previous to current month

April 2017 freeway speed data will be available in a future re-issue of this report.

Mobility

Performance Measure	Previous Month	Current Month	Target	Target Met	Last 3 Months	Trend*
DIRECTIONAL VOLUMES OF FREEWAYS (ADT)						
I-94 & 84th Street WB	55,677	57,281			56,149	
I-94 & 84th Street EB	47,734	45,382			46,470	
I-94 & WIS 100 WB	n/a	n/a			n/a	
I-94 & WIS 100 EB	46,738	51,970			49,354	↑
I-94 & Moorland Road WB	46,927	45,584			46,266	
I-94 & Moorland Road EB	47,046	47,917			47,108	
I-94 & Barker Road EB	48,125	48,446			48,011	
I-94 & Barker Road WB	46,802	48,212			47,050	
I-41 & Bluemound Road NB	n/a	n/a			n/a	
I-41 & Bluemound Road SB	n/a	n/a			n/a	
I-41 & Burleigh Street NB	63,344	65,277			62,782	
I-41 & Burleigh Street SB	60,168	n/a			60,196	
I-41 & Watertown Plank Road NB	59,751	61,182			59,750	
I-41 & Watertown Plank Road SB	60,337	60,256			60,424	
I-41 & Greenfield Avenue NB	n/a	n/a			n/a	
I-41 & Greenfield Avenue SB	n/a	n/a			n/a	
I-41 & Oklahoma Avenue NB	64,164	65,418			64,076	
I-41 & Oklahoma Avenue SB	59,542	60,551			59,928	

*Trend = > 3000 ADT difference from previous to current month

Reliability

Performance Measure	Previous Month	Current Month	Target	Target Met	Last 3 Months	Trend*
PERCENT UNDER A GIVEN SPEED THRESHOLD (%)			<50%			
Bluemound Road (EB)	1%	3%		✓	1%	
Bluemound Road (WB)	1%	0%		✓	0%	
Greenfield Avenue (EB)	1%	0%		✓	0%	
Greenfield Avenue (WB)	1%	0%		✓	0%	
Moorland Road (NB)	1%	0%		✓	0%	
Moorland Road (SB)	18%	23%		✓	17%	↓
84th Street (NB)	3%	3%		✓	2%	
84th Street (SB)	9%	8%		✓	8%	
WIS 100 North Leg (NB)	1%	0%		✓	0%	
WIS 100 North Leg (SB)	3%	2%		✓	2%	
WIS 100 South Leg (NB)	1%	0%		✓	0%	
WIS 100 South Leg (SB)	7%	12%		✓	7%	
I-94 (EB)	N/A	N/A		N/A	N/A	
I-94 (WB)	N/A	N/A		N/A	N/A	
I-41 North Leg (NB)	N/A	N/A		N/A	N/A	
I-41 North Leg (SB)	N/A	N/A		N/A	N/A	
I-41 South Leg (NB)	N/A	N/A		N/A	N/A	
I-41 South Leg (SB)	N/A	N/A		N/A	N/A	

*Trend = 5% or more difference from previous to current month

April 2017 freeway speed data will be available in a future re-issue of this report.